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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Docket No: Q93246  
Satoko YAMAHIRA et al Conf. No.: 0000  
Appln. No.: 10/568,671 Group Art Unit: 0000  
Filed: February 17, 2006 Examiner: Unassigned  
For: LACTIC ACID BACTERIA CAPABLE OF  
STIMULATING MUCOSAL IMMUNITY

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) forms which the Examiner may deem material to patentability of the claims of the above-identified application.

A copy of each of the listed documents previously cited on Form PTO/SB/08 A & B (modified) and in the International Search Report (filed February 17, 2006) is being provided herewith, along with a copy of each of said documents. Also being provide herewith is an English Abstract for both JP 2002-80364 and JP 10-114667; and a full English translation of JP 06-501624. Additionally, Applicants cite the following documents on Form PTO/SB/08 A & B (modified) (attached hereto):

JP 2001-64174 (03/13/2001); and JP 10-167972 (06/23/1998).

**INFORMATION DISCLOSURE STATEMENT**  
**U.S. Appln. No. 10/568,671**

The present Information Disclosure Statement is being filed before three months from the application's filing date. Therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

  
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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: May 17, 2006

Substitute for Form 1449 A & B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/568,671
				Confirmation Number	0000
				Filing Date	February 17, 2006
				First Named Inventor	Satoko YAMAHIRA et al
				Art Unit	0000
Examiner Name	Unassigned				
Sheet	1	of	1	Attorney Docket Number	Q93246

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2001-64174		03/13/2001	Takeda Shokuhin Kogyo KK	Abstract
		JP	10-167972		06/23/1998	Takeda Shokuhin Kogyo KK	Abstract

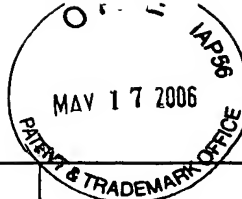
### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.



MODIFIED PTO/SB/08 A &amp; B (06-03)

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	1	Application Number	National Stage of PCT/JP2004/012136
				Confirmation Number	Unknown
				Filing Date	February 17, 2006
				First Named Inventor	Satoko YAMAHIRA
				Art Unit	Unknown
				Examiner Name	
				Attorney Docket Number	Q93246

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2002-80364	A	03/19/2002	TAKEDA FOOD PRODUCTS, LTD.	
		JP	10-114667	A	05/06/1998	TAKEDA FOOD PRODUCTS, LTD.	
		JP	6-501624	A	02/24/1994	PROBI AB	

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		T. IKENAGA, ET AL., "ENHANCEMENT OF HOST RESISTANCE AGAINST SALMONELLA TYPHIMURIUM IN MICE FED A DIET SUPPLEMENTED WITH MILK FERMENTED WITH LACTOBACILLUS PLANTARUM,," MILK SCIENCE, Vol. 51, No. 1, (2002), pages 27 to 32	
		Y. MAO, ET AL., "INTESTINAL IMMUNE RESPONSE TO ORAL ADMINISTRATION OF LACTOBACILLUS REUTERI R21LC, LACTOBACILLUS PLANTARUM DSM9843, PECTIN AND OATBASE ON METHOTREXATE-INDUCED ENTEROCOLITIS IN RATS.,," MICROBIAL ECOLOGY IN HEALTH AND DISEASE, Vol. 9, No. 6, (1996), pages 261-269	
		MARIA E. BIBAS BONET, ET AL., "OPTIMAL EFFECT OF LACTOBACILLUS DELBRUECKI SUBSP. BULGARICUS, AMONG OTHER LACTOBACILLI SPECIES, ON THE NUMBER OF IgA AND MAST CELLS ASSOCIATED WITH THE MUCOSA IN IMMUNOSUPPRESSED MICE.,," FOOD AND AGRICULTURAL IMMUNOLOGY, Vol. 11, No.3, (1999), pages 259-267	
		M.V. HERIAS, ET AL., "IMMUNOMODULATORY EFFECTS OF LACTOBACILLUS PLANTARUM COLONIZING THE INTESTINE OF GNOTOBIOTIC RATS.,," CLIN. EXP. IMMUNOL., Vol. 116, No. 2, (1999), pages 283-290	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.